

# ***San Joaquin Valley Unified Air Pollution Control District***

**PERMIT UNIT:** C-1555-8-3

**EXPIRATION DATE:** 11/30/2002

**EQUIPMENT DESCRIPTION:**

750 HP VEGETABLE OIL SOLVENT PLANT/REFINERY WITH CROWN IRON WORKS COMPANY EQUIPMENT INCLUDING A CROWN SERIES 900 EXTRACTOR, EVAPORATORS; A DESOLVENTIZER/TOASTER; AND ASSOCIATED EQUIPMENT SERVED BY THREE 30" 2D-2D CYCLONES. TITLE V PERMIT

## **Permit Unit Requirements**

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Particulate matter emissions from the bag dumping system shall not exceed 1.5 pounds per hour. [District NSR Rule; District Rule 4202] Federally Enforceable Through Title V Permit
4. The Owner/Operator shall control the amount of fresh hexane so that the average rate over a three month period does not exceed 2,160 pounds per day. [District NSR Rule] Federally Enforceable Through Title V Permit
5. The Owner/Operator shall maintain records such that daily vegetable oil seed material processing rates and hexane consumption can be determined. [District NSR Rule; District Rule 2520, 9.4.2; District Rule 4691, 6.1] Federally Enforceable Through Title V Permit
6. All vapors and gas streams from the extractor, wastewater reboiler, solvent-water separator, and dryer/toaster condenser shall be routed to the vent condenser and then to the mineral scrubber. [District NSR Rule; District Rule 4691, 5.2; Kings County Rule 410] Federally Enforceable Through Title V Permit
7. The condenser and mineral oil scrubber shall have a combined capture and control efficiency of at least 90 percent by weight. [District Rule 4691, 5.1; Kings County Rule 410] Federally Enforceable Through Title V Permit
8. The owner/operator of a vegetable oil extraction plant shall inspect at least once a month all equipment in organic service for any indication of any leak of VOCs. Monthly inspections shall be done in accordance with EPA Method 21. [District Rule 4691, 5.3] Federally Enforceable Through Title V Permit
9. If a detected leakage level exceeds 10,000 ppm, or if leaks are visible, the leaking equipment shall be repaired within ten (10) days. [District Rule 4691, 5.3] Federally Enforceable Through Title V Permit
10. The owner/operator shall not use any equipment in organic service at the vegetable oil plant unless such equipment does not leak. [District Rule 4691, 5.4] Federally Enforceable Through Title V Permit
11. Emissions from leaks in equipment in organic service which have been tagged by the owner or operator for repair in accordance with the requirements of Section 6.1 of Rule 4691 (12/17/92) or which have been repaired and are waiting reinspection shall not constitute a violation of Section 5.4 of Rule 4691 (12/17/92). [District Rule 4691, 5.5] Federally Enforceable Through Title V Permit

12. The owner/operator shall comply with all the recordkeeping and monitoring requirements of section 6.0 of Rule 4691 (12/17/97). [District Rule 4691, 6.0] Federally Enforceable Through Title V Permit

13. The owner/operator shall check the oil temperature at various points. The oil from the heater shall be between 230 F and 255 F. The oil from the cooler shall be less than 100 F. [District Rule 4691, 5.1; District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

14. The extractor shall run under a vacuum of at least 0.1 inches of water. [District Rule 4691, 5.1; District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

15. Compliance with the above conditions shall be considered compliance with District Rules 4201 (12/17/92), 4202 (12/17/92), and 4691 (12/17/92). Therefore, a permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

16. Dust collectors shall be inspected at least once every week while in operation for any cracks, holes, or malfunctions which might decrease the PM collection efficiency, and shall be repaired or replaced as needed. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

17. Records of dust collector inspection, maintenance, and repair shall be maintained. These records shall include identification of the dust collector, date of inspection, any corrective action taken as a result of inspection, and initials of the personnel performing the inspection. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

18. The owner/operator shall perform EPA Method 18 on an annual basis to determine compliance with District Rule 4691 (12/17/92). If specified monitoring parameters can later be shown to verify compliance on a continuous basis, annual source testing may be deferred. [District Rule 4691; District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit